RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/667,966B
Source: IFW
Date Processed by STIC: 12-28-04

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IFWO

RAW SEQUENCE LISTING DATE: 12/28/2004
PATENT APPLICATION: **US/10/667,966B** TIME: 09:47:48

Input Set : **A:\US10667966.ST25.txt**
Output Set: **N:\CRF4\12282004\J667966B.raw**

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 3 <110> APPLICANT: Xie, Dong
 4       Jiang, He
 6 <120> TITLE OF INVENTION: Peptide Derivative Fusion Inhibitors of HIV Infection
 8 <130> FILE REFERENCE: 63024.000002
10 <140> CURRENT APPLICATION NUMBER: 10/667,966B
11 <141> CURRENT FILING DATE: 2003-09-23
13 <150> PRIOR APPLICATION NUMBER: 60/412,797
14 <151> PRIOR FILING DATE: 2002-09-24
16 <160> NUMBER OF SEQ ID NOS: 15
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
21 <211> LENGTH: 44
22 <212> TYPE: PRT
23 <213> ORGANISM: Artificial sequence
25 <220> FEATURE:
26 <223> OTHER INFORMATION: Synthetic Construct
28 <400> SEQUENCE: 1
30 Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg
31 1               5                  10                  15
34 Glu Ile Asn Asn Tyr Thr Glu Leu Ile His Glu Leu Ile Glu Glu Ser
35             20                  25                  30
38 Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu
39         35                  40
42 <210> SEQ ID NO: 2
43 <211> LENGTH: 34
44 <212> TYPE: PRT
45 <213> ORGANISM: Artificial sequence
47 <220> FEATURE:
48 <223> OTHER INFORMATION: Synthetic Construct
50 <400> SEQUENCE: 2
52 Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His
53 1               5                  10                  15
56 Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu
57             20                  25                  30
60 Leu Leu
64 <210> SEQ ID NO: 3
65 <211> LENGTH: 39
66 <212> TYPE: PRT
67 <213> ORGANISM: Artificial sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: Synthetic Construct
72 <400> SEQUENCE: 3
74 Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Leu Glu Gln Ala Gln
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```
75 1               5                   10                  15
78 Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp
79             20                  25                  30
82 Ala Ser Leu Trp Glu Trp Phe
83         35
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 36
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Synthetic Construct
94 <400> SEQUENCE: 4
96 Tyr Thr Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln
97 1               5                   10                  15
100 Glu Lys Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu
101             20                  25                  30
104 Trp Asn Trp Phe
105         35
108 <210> SEQ ID NO: 5
109 <211> LENGTH: 34
110 <212> TYPE: PRT
111 <213> ORGANISM: Artificial sequence
113 <220> FEATURE:
114 <223> OTHER INFORMATION: Synthetic Construct
116 <400> SEQUENCE: 5
118 Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Ser Leu Ile His
119 1               5                   10                  15
122 Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu
123             20                  25                  30
126 Leu Leu
130 <210> SEQ ID NO: 6
131 <211> LENGTH: 34
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Synthetic Construct
138 <400> SEQUENCE: 6
140 Trp Gln Glu Trp Glu Arg Lys Val Asp Phe Leu Glu Glu Asn Ile Thr
141 1               5                   10                  15
144 Ala Leu Leu Glu Glu Ala Gln Ile Gln Gln Glu Lys Asn Met Tyr Glu
145             20                  25                  30
148 Leu Gln
152 <210> SEQ ID NO: 7
153 <211> LENGTH: 34
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Synthetic Construct
160 <400> SEQUENCE: 7
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RAW SEQUENCE LISTING DATE: 12/28/2004
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```
     Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His
     1               5                   10                  15
     Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu
                 20                  25                  30
     Leu Leu
     <210> SEQ ID NO: 8
     <211> LENGTH: 44
     <212> TYPE: PRT
     <213> ORGANISM: Artificial sequence
     <220> FEATURE:
     <223> OTHER INFORMATION: Synthetic Construct
     <220> FEATURE:
     <221> NAME/KEY: MISC_FEATURE
     <222> LOCATION: (23)..(23)
     <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
           moiety.
     <400> SEQUENCE: 8
     Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg
     1               5                   10                  15
W--> Glu Ile Asn Asn Tyr Thr Xaa Leu Ile His Glu Leu Ile Glu Glu Ser
                 20                  25                  30
     Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu
             35                  40
     <210> SEQ ID NO: 9
     <211> LENGTH: 45
     <212> TYPE: PRT
     <213> ORGANISM: Artificial sequence
     <220> FEATURE:
     <223> OTHER INFORMATION: Synthetic Construct
     <220> FEATURE:
     <221> NAME/KEY: MISC_FEATURE
     <222> LOCATION: (45)..(45)
     <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
           moiety.
     <400> SEQUENCE: 9
     Ser Leu Glu Gln Ile Trp Asn Asn Met Thr Trp Glu Glu Trp Asp Arg
     1               5                   10                  15
     Glu Ile Asn Asn Tyr Thr Glu Leu Ile His Glu Leu Ile Glu Glu Ser
                 20                  25                  30
W--> Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu Leu Leu Xaa
             35                  40                  45
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     <211> LENGTH: 34
     <212> TYPE: PRT
     <213> ORGANISM: Artificial sequence
     <220> FEATURE:
     <223> OTHER INFORMATION: Synthetic Construct
     <220> FEATURE:
     <221> NAME/KEY: MISC_FEATURE
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PATENT APPLICATION: **US/10/667,966B** TIME: 09:47:48

Input Set : **A:\US10667966.ST25.txt**
Output Set: **N:\CRF4\12282004\J667966B.raw**

243 <222> LOCATION: (13)..(13)
244 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
245 moiety.
247 <400> SEQUENCE: 10
W--> **249 Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Xaa Leu Ile His**
250 1 5 10 15
253 Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Trp Glu
254 20 25 30
257 Leu Leu
261 <210> SEQ ID NO: 11
262 <211> LENGTH: 35
263 <212> TYPE: PRT
264 <213> ORGANISM: Artificial sequence
266 <220> FEATURE:
267 <223> OTHER INFORMATION: Synthetic Construct
270 <220> FEATURE:
271 <221> NAME/KEY: MISC_FEATURE
272 <222> LOCATION: (35)..(35)
273 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
274 moiety.
276 <400> SEQUENCE: 11
278 Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Glu Leu Ile His
279 1 5 10 15
282 Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys Asn Glu Gln Glu
283 20 25 30
W--> **286 Leu Leu Xaa**
287 35
290 <210> SEQ ID NO: 12
291 <211> LENGTH: 39
292 <212> TYPE: PRT
293 <213> ORGANISM: Artificial sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Synthetic Construct
299 <220> FEATURE:
300 <221> NAME/KEY: MISC_FEATURE
301 <222> LOCATION: (13)..(13)
302 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
303 moiety.
305 <400> SEQUENCE: 12
W--> **307 Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Leu Xaa Gln Ala Gln**
308 1 5 10 15
311 Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp
312 20 25 30
315 Ala Ser Leu Trp Glu Trp Phe
316 35
319 <210> SEQ ID NO: 13
320 <211> LENGTH: 40
321 <212> TYPE: PRT
322 <213> ORGANISM: Artificial sequence

RAW SEQUENCE LISTING DATE: 12/28/2004
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Input Set : **A:\US10667966.ST25.txt**
Output Set: **N:\CRF4\12282004\J667966B.raw**

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     324 <220> FEATURE:
     325 <223> OTHER INFORMATION: Synthetic Construct
     328 <220> FEATURE:
     329 <221> NAME/KEY: MISC_FEATURE
     330 <222> LOCATION: (40)..(40)
     331 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
     332       moiety.
     334 <400> SEQUENCE: 13
     336 Trp Gln Glu Trp Glu Gln Lys Ile Thr Ala Leu Ile Glu Gln Ala Gln
     337 1               5                   10                  15
     340 Ile Gln Gln Glu Lys Asn Glu Tyr Glu Leu Gln Lys Leu Asp Lys Trp
     341             20                  25                  30
W--> 344 Ala Ser Leu Trp Glu Trp Phe Xaa
     345         35                  40
     348 <210> SEQ ID NO: 14
     349 <211> LENGTH: 34
     350 <212> TYPE: PRT
     351 <213> ORGANISM: Artificial sequence
     353 <220> FEATURE:
     354 <223> OTHER INFORMATION: Synthetic Construct
     357 <220> FEATURE:
     358 <221> NAME/KEY: MISC_FEATURE
     359 <222> LOCATION: (13)..(13)
     360 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
     361       moiety.
     363 <400> SEQUENCE: 14
W--> 365 Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Xaa Leu Ile His
     366 1               5                   10                  15
     369 Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu
     370             20                  25                  30
     373 Leu Leu
     377 <210> SEQ ID NO: 15
     378 <211> LENGTH: 35
     379 <212> TYPE: PRT
     380 <213> ORGANISM: Artificial sequence
     382 <220> FEATURE:
     383 <223> OTHER INFORMATION: Synthetic Construct
     386 <220> FEATURE:
     387 <221> NAME/KEY: MISC_FEATURE
     388 <222> LOCATION: (35)..(35)
     389 <223> OTHER INFORMATION: Xaa represents a Lysine residue derivatized with a maleimide
     390       moiety.
     392 <400> SEQUENCE: 15
     394 Trp Glu Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr Lys Leu Ile His
     395 1               5                   10                  15
     398 Glu Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Glu Asn Glu Gln Glu
     399             20                  25                  30
W--> 402 Leu Leu Xaa
     403         35
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/28/2004
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Input Set : **A:\US10667966.ST25.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:8; Xaa Pos. 23
Seq#:9; Xaa Pos. 45
Seq#:10; Xaa Pos. 13
Seq#:11; Xaa Pos. 35
Seq#:12; Xaa Pos. 13
Seq#:13; Xaa Pos. 40
Seq#:14; Xaa Pos. 13
Seq#:15; Xaa Pos. 35

VERIFICATION SUMMARY DATE: 12/28/2004
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Input Set : **A:\US10667966.ST25.txt**
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L:195 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
L:228 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:32
L:249 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:286 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:344 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:32
L:365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:402 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:32